

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF APS/CPS OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 27 (RIDGE ROAD) AND BRINK ROAD IN MONTGOMERY COUNTY. MD 27 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA SIX-PHASE, FULLY-TRAFFIC-ACTUATED MODE. THERE IS AN EXCLUSIVE/PERMISSIVE LEFT TURN PHASE FOR BOTH THE NORTH AND SOUTH APPROACHES OF MD 27. MD 27 THRU MOVEMENTS WILL OPERATE CONCURRENTLY AND BRINK ROAD WILL OPERATE IN SPLIT PHASING. THERE ARE PEDESTRIAN PHASES FOR THE NORTH AND SOUTH LEGS OF THE INTERSECTION. THERE IS AN ALTERNATE PEDESTRIAN PHASE FOR THE EAST LEG OF THE INTERSECTION.

EQUIPMENT LIST FOR CONTRACT NO. XY1515185

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

CATEGORY	QUANTITY	UNIT	DESCRIPTION
900000	15	SF	SHEET ALUMINUM GROUND MOUNTED SIGN
	2	EA	OM1-1 (18" x 18") GROUND MOUNTED
	2	EA	R4-7 (24" x 30") GROUND MOUNTED
900000	6	SF	SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN
	6	EA	R10-3(1) (9" x 15") POLE MOUNTED

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

CATEGORY	QUANTITY	UNIT	DESCRIPTION
100000	1	EA	MAINTENANCE OF TRAFFIC
201032	4	CY	CLASS 2 EXCAVATION
203030	4	CY	TEST PIT EXCAVATION
585621	1075	LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
585625	180	LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
585700	1200	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT MARKING LINES, ANY WIDTH
600000	240	LF	TYPE A COMBINATION CURB AND GUTTER ANY HEIGHT OR DEPTH
600000	160	LF	TYPE A CURB ANY HEIGHT OR DEPTH
655105	1370	SF	5 INCH CONCRETE SIDEWALK
655120	115	SF	DETECTABLE WARNING SURFACE FOR CURB RAMPS
704345	5	SY	PLACING FURNISHED TOPSOIL 4 INCH DEPTH
708220	5	SY	TURFGRASS SOD ESTABLISHMENT
800000	1	EA	2-WIRE APS CENTRAL CONTROL UNIT
800000	6	EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
800000	1	EA	REMOVE & DISPOSE OF EXISTING SIGNAL EQUIPMENT
800000	6	EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
800000	5	EA	5 FOOT OR 10 FOOT PEDESTAL POLE WITH BREAKAWAY COUPLINGS, FOUNDATION & GROUND ROD
800000	115	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
800000	60	LF	WOOD SIGN SUPPORTS UP TO 4 INCH X 6 INCH
800000	21	SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
800000	1	EA	THIRD PARTY CONCRETE TESTING
802501	115	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
861105	1300	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
861107	990	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

C. EQUIPMENT TO BE REMOVED.

ALL OTHER EXISTING SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL.

CONTACTS

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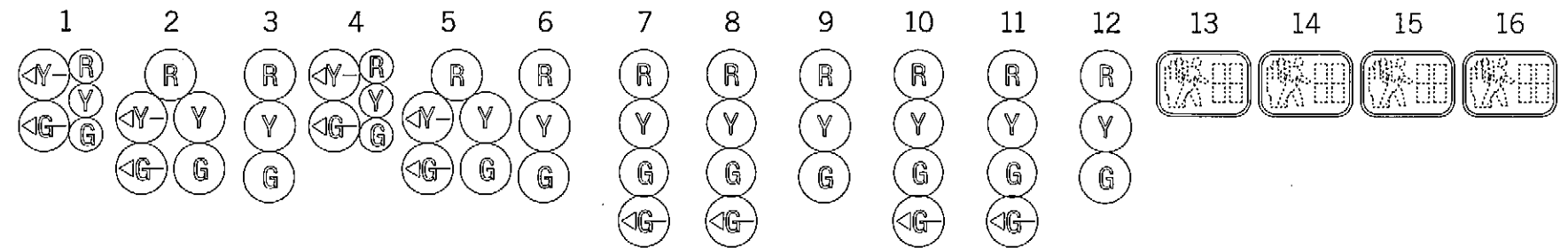
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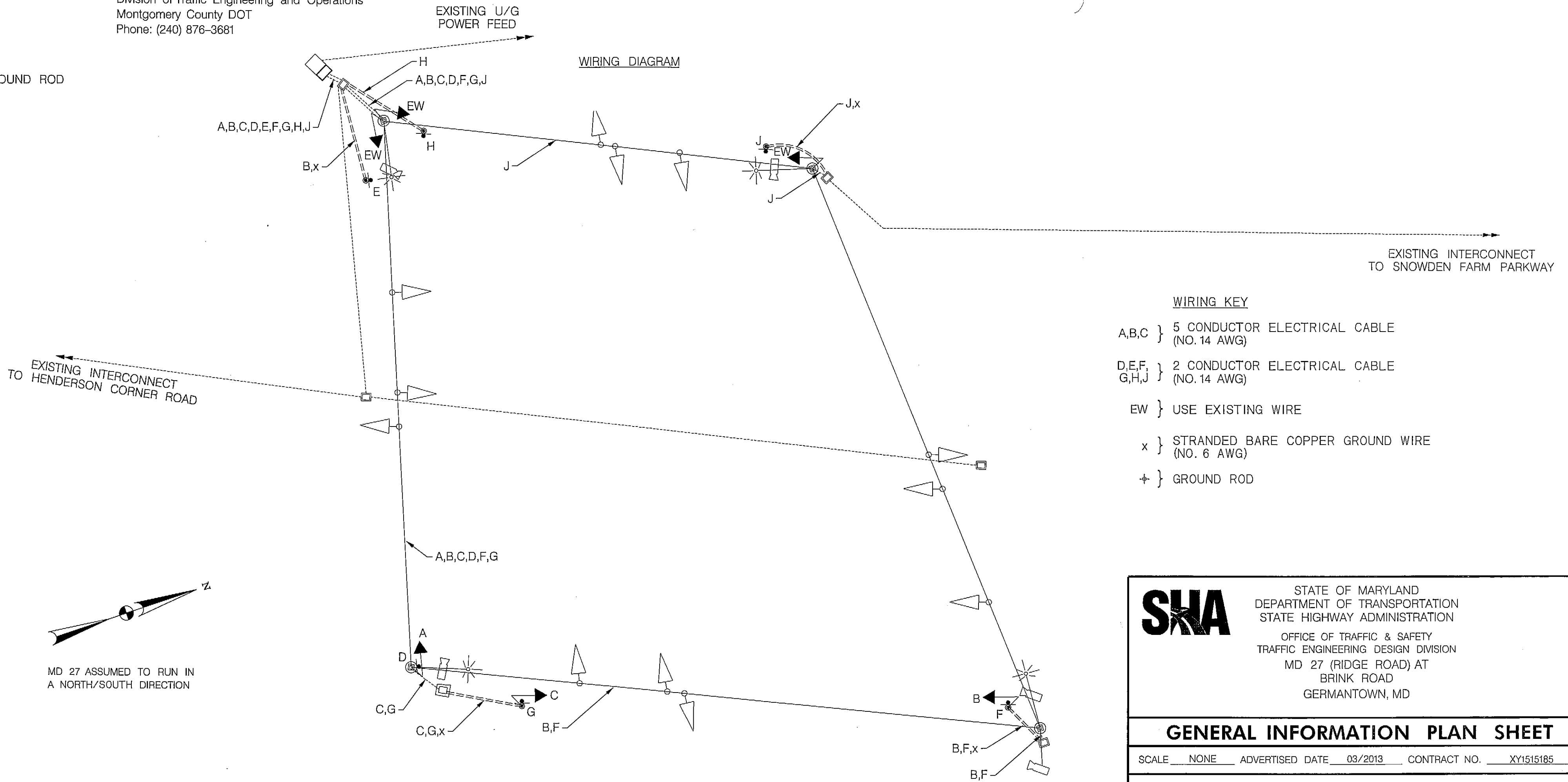
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Montgomery County DOT  
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PHASE CHART



PHASE 1 AND 5	+G/R	+G/R	R	+G/R	+G/R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5 OR 2 AND 6																	
PHASE 1 AND 6	+G/G	+G/G	G	R	R	R	R	R	R	R	R	R	R	DW	DW	WK	WK
1 CHANGE	+Y/G	+Y/G	G	R	R	R	R	R	R	R	R	R	R	DW	DW	WK	WK
PHASE 2 AND 5	R	R	R	+G/G	+G/G	G	R	R	R	R	R	R	R	DW	DW	DW	DW
5 CHANGE	R	R	R	+Y/G	+Y/G	G	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	R	R	DW	DW	WK	WK
PED CLEARANCE	G	G	G	G	G	G	R	R	R	R	R	R	R	DW	DW	FL/DW	FL/DW
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 3	R	R	R	R	R	R	R	R	R	R	R	+G/G	+G/G	G	DW	DW	DW
3 CHANGE	R	R	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW
PHASE 4	R	R	R	R	R	R	+G/G	+G/G	G	R	R	R	R	DW	DW	DW	DW
4 CHANGE	R	R	R	R	R	R	Y	Y	Y	R	R	R	R	DW	DW	DW	DW
PHASE 4 ALT	R	R	R	R	R	R	R	R	R	R	+G/G	+G/G	G	WK	WK	DW	DW
PED CLEARANCE	R	R	R	R	R	R	R	R	R	R	+G/G	+G/G	G	FL/DW	FL/DW	DW	DW
4 ALT CHANGE	R	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK



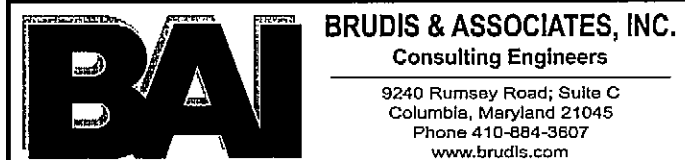
STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 27 (RIDGE ROAD) AT  
BRINK ROAD  
GERMANTOWN, MD

**GENERAL INFORMATION PLAN SHEET**

SCALE NONE ADVERTISED DATE 03/2013 CONTRACT NO. XY1515185

DESIGNED BY DM COUNTY MONTGOMERY  
DRAWN BY DM LOGMILE 15002700.54  
CHECKED BY RM TMS NO. L711  
F.A.P. NO. TOD NO.

TS NO. 2200-D DRAWING GI-1 OF 1 SHEET NO. 3 OF 3



PLOTTED: Thursday, March 21, 2013 AT 11:06 AM  
FILE: P:\09-002 TED\Task 108 MD 27 Signals\Drawings\CADD\Working\MD27@Brink\pGN-P003\_MD27@Brink.dgn